Problem Statement 2. Create a class Student which has some private data like name, phone number, roll number, class, use getter and setters to access this private data.

```
/**Create a class Student which has some private data like name, phone number, roll number,
class, use getter and setters to access this private data.
*/
public class Student
  // private variables declared
  // these can only be accessed by
  // public methods of class
  private String studentName;
  private int studentRoll;
  private int studentAge;
  // get method for age to access
  // private variable studentAge
  public int getAge()
   return studentAge;
  }
  // get method for name to access
  // private variable studentName
  public String getName()
  {
   return studentName;
  }
```

```
// get method for roll to access
  // private variable studentRoll
  public int getRoll()
   return studentRoll;
  }
  // set method for age to access
  // private variable studentage
  public void setAge( int newAge)
   studentAge = newAge;
  }
  // set method for name to access
  // private variable studentName
  public void setName(String newName)
   studentName = newName;
  }
  // set method for roll to access
  // private variable studentRoll
  public void setRoll( int newRoll)
   studentRoll = newRoll;
  }
}
```

Following is the program to access variables of the class Student. Compile this program after the Student.java is compiled. Run TestStudent successfully is compiled.

```
*/
public class TestStudent
{
  public static void main (String[] args)
  {
    Encapsulate obj = new Encapsulate();
    // setting values of the variables
    obj.setName("Vijay");
    obj.setAge(18);
    obj.setRoll(75);
    // Displaying values of the variables
    System.out.println("student's name: " + obj.getName());
    System.out.println("student's age: " + obj.getAge());
    System.out.println("student's roll: " + obj.getRoll());
    // Direct access of studentRoll is not possible
    // due to encapsulation
    // System.out.println("student's roll: " + obj.studentName);
  }
}
```

Command Prompt

C:\My Programs>javac Student.java

C:\My Programs>javac TestStudent.java

C:\My Programs>java TestStudent

student's name: Vijay

student's age: 18 student's roll: 75

C:\My Programs>